

IN THE CLAIMS:

1. A brush block (6) for transmitting currents to a slip ring (7) ~~by means of at least one~~
~~said multiwire sliding element (MWSE) (3), characterized in that~~ , the brush block comprising:
a brush block body; and

a plurality of ~~said~~ multiwire sliding elements MWSEs (3) connected electrically in
5 parallel ~~[[are]]~~ and arranged at said brush block body one after another and distributed in an arc
in ~~[[said]]~~ a direction of sliding (9).

2. (Currently Amended) A brush ~~Brush~~ block in accordance with claim 1, ~~characterized~~
~~in that~~ wherein said brush block body has a MWSE carrier (4) with a bent inner wall (12), at
which ~~[[a]]~~ said plurality of ~~said~~ MWSEs (3) are arranged.

3. (Currently Amended) A brush ~~Brush~~ block in accordance with claim 1 ~~or 2~~,
~~characterized in that~~ wherein said MWSEs (3) form said MWSE layers (A, B), which are
arranged in an overlapping, scale-like structure, and describe an enveloping curve (10) that is
concentric with ~~said~~ an axis (13) of the slip ring with the ends of said MWSE (3).

4. (Currently Amended) A brush ~~Brush~~ block in accordance with claim ~~1, 2 or 3~~,
~~characterized in that~~ wherein said MWSE layers (A, B) have different numbers of said MWSE
(3).

5. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above~~ claims claim 3, ~~characterized in that wherein~~ said MWSE (3) of said adjacent layers (A, B) have a lateral offset and are arranged staggered.

6. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above~~ claims claim 2, ~~characterized in that wherein~~ said MWSE carrier (4) has at said inner wall (12) a plurality of ~~said~~ stepped incisions (5), which are arranged in an arc on the circumferential side and at which said MWSEs (3) are arranged.

7. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above~~ claims claim 6, ~~characterized in that wherein~~ said stepped incisions (5) have a step side (5') that is essentially tangential to said slip ring (7) and a step side (5'') that is arranged at right angles thereto.

8. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above~~ claims claim 1, ~~characterized in that wherein each of~~ said MWSEs (3) comprise a conductive carrier leaf (1) with ~~said~~ multiwire slip rings (2) arranged thereon.

9. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above~~ claims claim 8, ~~characterized in that wherein~~ said wires of said multiwire slip ring (2) are bent at the free end.

10. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above~~ claims claim 8, ~~characterized in that wherein~~ said wires of said multiwire slip ring (2) are integrated in a one-layer or multilayer paintbrush structure.

11. (Currently Amended) A brush ~~Brush~~ block in accordance with ~~one of the above~~ claims claim 1, ~~characterized in that wherein~~ a plurality of said brush blocks (6) can be arranged next to one another and distributed over the circumference of a slip ring (7).

12. - 13 (Canceled).

14. (New) A rotating current transmission unit comprising:

a slip ring; and

a brush block , said slip ring and said brush block being mounted rotatably in relation to one another, said brush block comprising a brush block body and a plurality of multiwire sliding elements connected electrically in parallel and arranged at said brush block body one after another and distributed in an arc in a direction of sliding

15. (New) A rotating current transmission unit in accordance with claim 14, wherein said current transmission unit has terminals for power current.